MULTIMEDIA UNIVERSITY

FINAL EXAMINATION

TRIMESTER 3, 2015/2016

PCG0023 – COMPUTER GRAPHICS 2
(All sections / Groups)

02 JUNE 2016
9.00 a.m. - 11.00 a.m.
(2 Hours)

INSTRUCTIONS TO STUDENTS

1. This Question paper consists of 6 pages with 5 questions only.

2. Answer SECTION A compulsory and choose THREE out of FOUR questions on SECTION B. All questions carry equal marks and the distribution of the marks for each question is given.

3. Please write all your answers in the Answer Booklet provided.

SECTION A: COMPULSORY   (25 points)

Fill in the blanks for each question. Answer all Questions.

1. A pixel is an individual dot of _____ that is the basic unit in digital imaging.

2. Clouds, motion blur, ocean ripple and plastic wrap are all examples of _____ that can be used for graphic design in Adobe PhotoShop.

3. _____ tool would be useful to quick fill in a layer as a coloured background and to sample a spot colour from an image you can use _____ tool.

4. The 3 keystrokes _____ shortcut will undo multiple steps backwards and _____ keystroke shortcut is used in stepping forward.

5. The typical size for screen base graphic design is measured in _____, print base graphic design is measured in _____ and font size is measured in _____.

6. Activate select _____ is used to make selection on the previously unselected part of the image in a layer (negative area) and the keystroke shortcut is _____. To turn off the active selection, or deselect it you can use _____ shortcut keys.

7. _____ tool is used to create a copy of image in one area of a layer and applies it to another area of the image. The preferred image area is selected by holding _____ key. The width of the selected area to be copied can be altered by adjusting the _____ tab.

SECTION B : Answer THREE out of FOUR

QUESTION 1
There are TWO parts. Answer all questions.

1.1 Explain your understanding in describing each of raster attributes below:

i)	Pixel	(2 points)
i)	Dpi	(4 points)
ii)	Ppi	(4 points)

1.2 Define the nature of each raster file formats listed below, and describe the practical uses for each file format:

iii)	RAW	(5 points)
iv)	TIFF	(5 points)
v)	JPEG	(5 points)

QUESTION 2

There are TWO parts. Answer all questions.

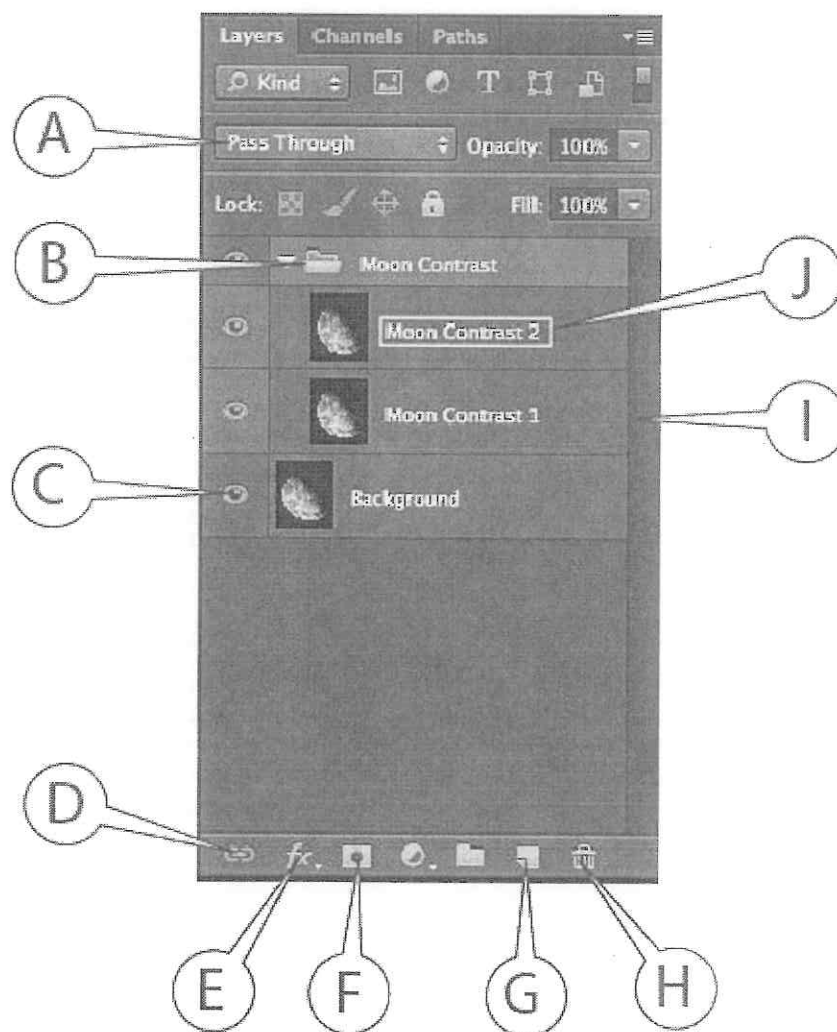2.1 Describe the name of each Photoshop CS6 layer features and its function base on Figure 1 below. (20 marks)

Figure: 1

Continued...

2.2   You were assigned to work on a poster design using Photoshop. The poster is required to be an A3 paper (11.7 inch × 16.5) inch portrait format. State the considerations of setting up a new document page for best printing process and output. List out your document setting on the 'New' menu below base on figure 2.
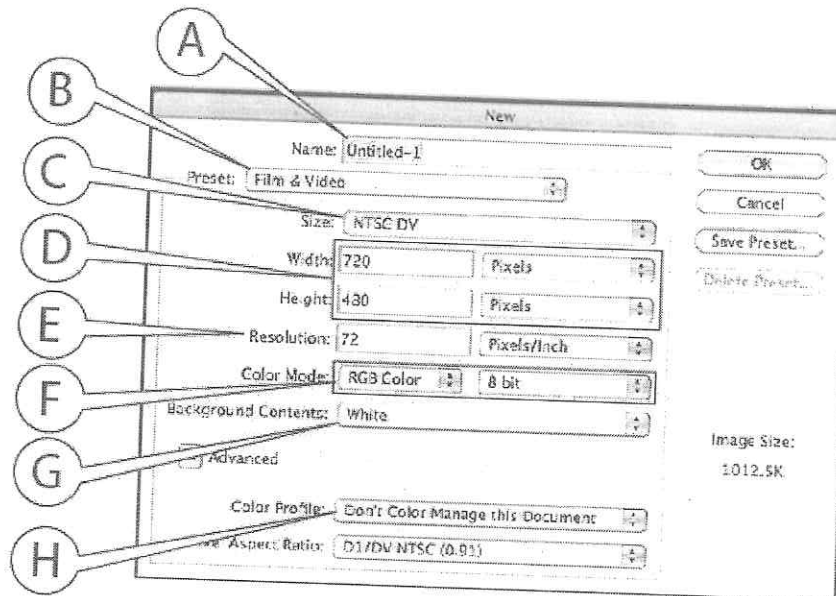
(5 marks)

Figure: 2

QUESTION 3

Explain the features usage and consideration found in Photoshop. Answer all questions.

3.1   What are the considerations in saving image editing with a .psd file format? State THREE reasons.

(5 points)

3.2   Why do you need to hold down Shift keystroke is while using image transformation:

(4 points)

     i)   Scaling.
     ii)   Rotate.

Continued...

3.3   Explain how selections are made through the choices of selection tools listed below.   (6 points)

      i)   Magic Wand.
      ii)   Magnetic Lasso.
      iii)   Rectangle Marquee.

3.4   There are two types of raster file compression algorithm. Explain the two main characteristic of compression stated below.   (10 points)

      i)   Lossless compression.
      ii)   Lossy compression.

QUESTION 4

Answer all questions.

Describe the processes base on the situation below:

4.1   In given situation that you were given a portrait image of a person where he/she has few pimples on the face. Explain the process on how to remove the pimples on the face to make the skin smoother.   (5 points)

4.2   State the steps needed to create a displacement map in Photoshop and how do you apply the displacement map on an image.   (10 points)

4.3   In given situation that you need to design a vector logo and composite it in your poster design in Photoshop. Explain the steps on how to import a vector from Illustrator to Photoshop, and describe how do you insert or change the color of the vector in Photoshop.   (10 points)

End of Page.